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IMAGERY  
ANALYSIS



STAFF

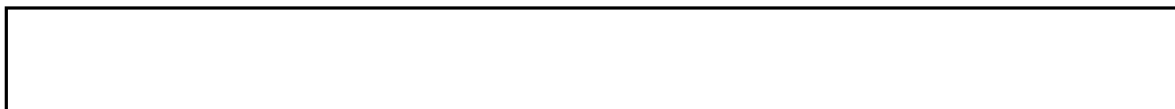
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PHOTOGRAPHIC INTELLIGENCE REPORT

VITAL RECORDS COPY  
AIRFRAME PLANT NO 31, TBILISI, USSR

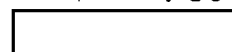


DECLASS REVIEW by NIMA/DOD



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DATE FEBRUARY 1967

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GROUP 1  
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## AIRFRAME PLANT NO 31, TBILISI, USSR

Tbilisi Airframe Plant No 31

is located at 41-39-55N 44-52-50E in the southeast section of Tbilisi, USSR, on the north bank of the Kura River (Figure 1). The plant is served by both road and rail. A combination road/taxiway connects the plant with Tbilisi/Soganlug Airfield. The test and flyaway field for the plant, approximately 2 nautical miles to the southwest. The plant area is surrounded by 10,200 linear feet of fence or wall, probably masonry. There are 7,500 linear feet of rail spurs and 12,300 linear feet of hard-surface road with an average width of 35 feet within the plant area. These figures are considered to be approximate. Figures 2, 3, and 4 illustrate the plant area in

The table associated with Figure 4 gives descriptions and dimensions of major buildings; item numbers are keyed to this table.

Airframe Plant No 31, originally located in Taganrog, was dismantled and moved to Tbilisi where it was combined with an aircraft repair plant (Plant No 448) which had been located there since. The combined plants received the designation Plant No 31, which has been retained to the present time. It was estimated in that Airframe Plant No 31 contained a roof area of 1.2 million square feet. Since the greatest amount of expansion has taken place between. Total floorspace of the plant was estimated from photography to be and total volume to be 70,892,090 cubic feet (Figure 4).

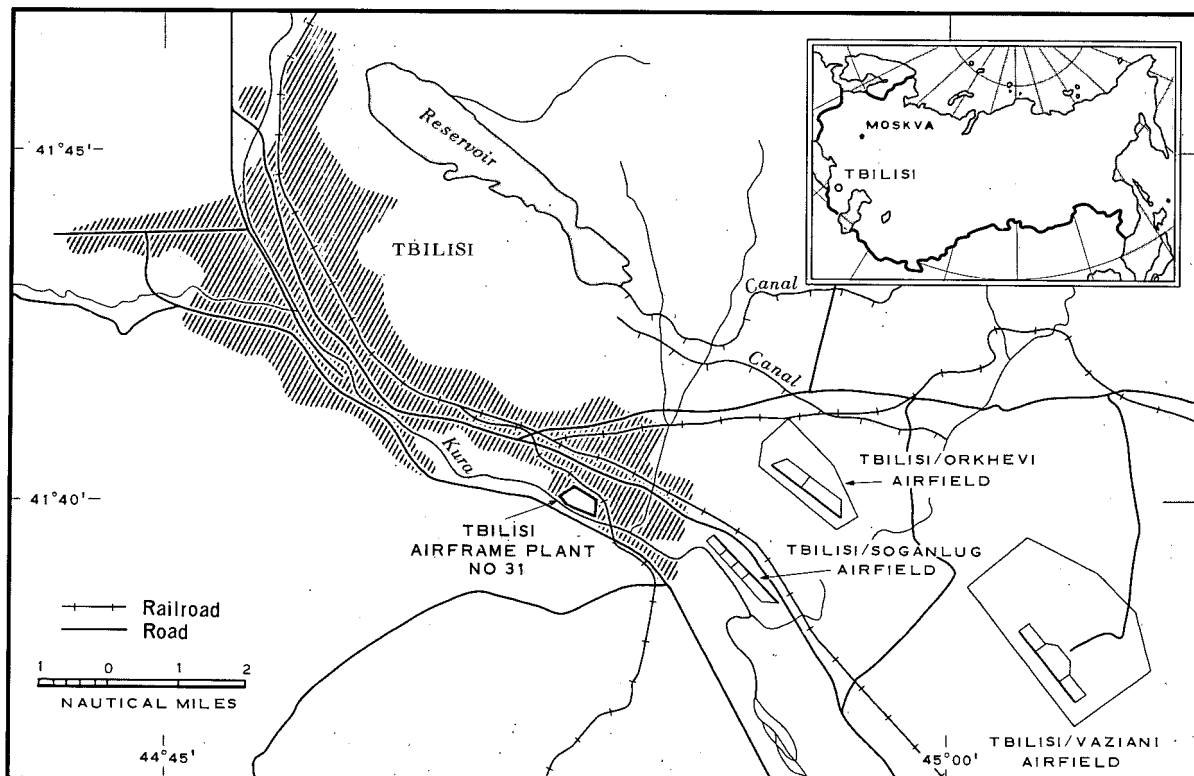


FIGURE 1. LOCATION MAP.

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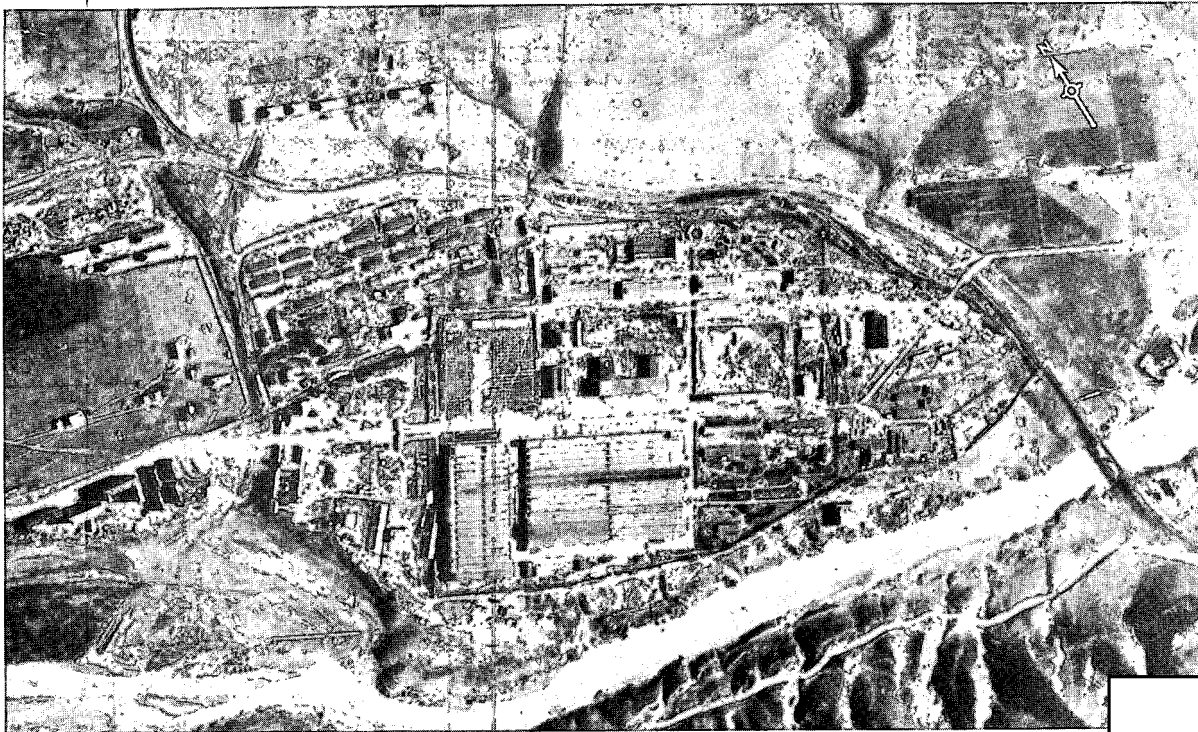


FIGURE 2. AIRFRAME PLANT NO 31, TBILISI, USSR.

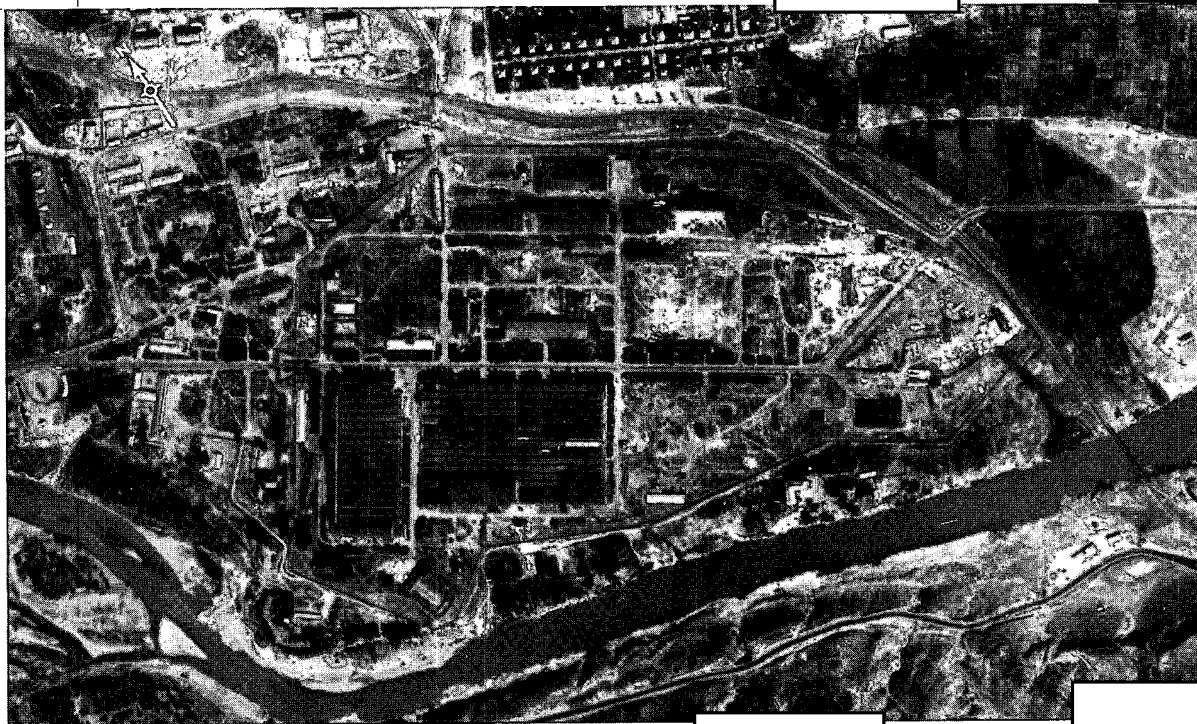


FIGURE 3. AIRFRAME PLANT NO 31,

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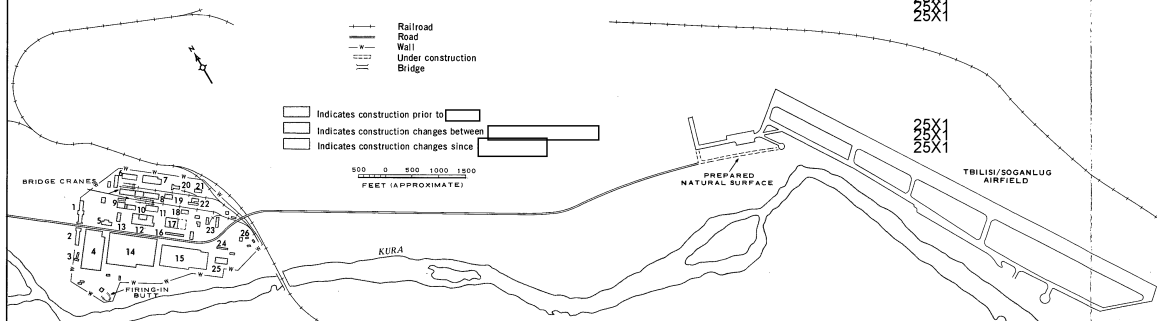
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| Item                                           | Description                       | Dimensions (ft)  |           | Floorpace | Cubic      |
|------------------------------------------------|-----------------------------------|------------------|-----------|-----------|------------|
|                                                |                                   | L                | W         | (sq ft)   | Feet       |
| 1                                              | Admin/engineering bldg            | Irregular        |           | 18,980    | 417,120    |
| 2                                              | Admin/engineering bldg            | Irregular        |           |           |            |
| 3                                              | Workshop                          | Irregular        | 20'       |           |            |
| 4                                              | Machine shop/workshop             | Irregular        | 45'       | 241,260   | 7,055,420  |
| 5                                              | Admin/engineering bldg            | Irregular        | 15'       | 12,700    | 191,400    |
| 6                                              | Workshop/warehouse                |                  |           | 21,600    | 473,200    |
| 7                                              | Forge/foundry                     |                  |           | 59,675    | 1,670,900  |
| 8                                              | Warehouse (shipping/receiving)    |                  |           | 74,400    | 1,636,800  |
| 9                                              | Workshop                          | 165' x 40' x 20' |           | 6,600     | 132,000    |
| 10                                             | Machine shop/workshop             | Irregular        | 15'       |           |            |
| 11                                             | Workshop/warehouse                |                  |           |           |            |
| 12                                             | Machine shop/workshop             | Irregular        | 35' x 55' |           |            |
| 13                                             | Machine shop/workshop             |                  |           |           |            |
| 14                                             | Subassembly/final assembly bldg   | Irregular        |           | 544,100   | 14,943,150 |
| 15                                             | Final assembly bldg               | Irregular        |           | 668,000   | 32,649,475 |
| 16                                             | Admin/engineering bldg            |                  |           |           |            |
| 17                                             | Prob machine shop workshop        |                  |           | 28,980    | 456,120    |
| 18                                             | 3 bays                            |                  |           | 42,065    | 1,472,275  |
| 19                                             | 2 bays w/c                        |                  |           |           |            |
| 20                                             | Prob warehouse                    |                  |           | 15,135    | 262,780    |
| 21                                             | Workshop/warehouse                |                  |           | 9,620     | 307,080    |
| 22                                             | Storage plant                     | Irregular        | 30'       | 9,880     | 247,000    |
| 23                                             | Prob workshop                     | Irregular        |           |           |            |
| 24                                             | Storage bldg                      |                  |           |           |            |
| 25                                             | Workshop                          |                  |           | 28,625    | 728,500    |
| 26                                             | Support bldg (4) sawmill, crating |                  |           | 4,100     | 25,300     |
| 27                                             |                                   | Irregular        |           | 4,700     | 114,240    |
| Total floorpace & cubic feet of numbered bldgs |                                   |                  |           |           |            |
| Total floorpace & cubic feet of other bldgs    |                                   |                  |           |           |            |
| Total floorpace & cubic feet of plant          |                                   |                  |           |           |            |

NOTE: With the exception of those measurements marked with an asterisk (\*), all measurements were calculated by NPICTED. Horizontal measurements are accurate to within \_\_\_\_\_ whichever is greater, and vertical measurements are accurate to within \_\_\_\_\_ whichever is greater. Measurements are derived from \_\_\_\_\_.

\*Measurement calculated by CIA/IAS project analysis.

\*\*Approximate.

FIGURE 4. AIRFRAME PLANT NO. 31.

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Plant expansion during the period of [ ] included the construction of the steamplant (item 20), an administration/engineering building (item 5), one of the storage buildings (item 23), a second administration/engineering building (item 2), and 3 of the support buildings (item 26). The forge/foundry (item 7) appeared to be under construction in 1942 and was complete when observed on photography of [ ]

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The poor quality of the photography obtained between [ ] does not permit an accurate determination of construction progress during that time period. [ ] an administration/engineering building (item 1), a machine shop/workshop (item 10), and a workshop/warehouse (item 11) appeared to be complete. [ ] completion of the following structures had been observed: a probable workshop (item 21), a warehouse (item 8), a probable warehouse (item 18), a storage building (item 24), and a final assembly building (item 15). Ground scarring for the final assembly building had been apparent in [ ]

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Between [ ] a large portion of the workshop/warehouse (item 6) was completed, with the remainder being completed shortly thereafter; this structure re-

placed 3 smaller warehouses. B [ ] the workshop (item 9) and the remaining support building (item 26) had been completed, as well as portions of the probable workshop (item 22); this building was finished by [ ] The addition to the machine shop/workshop (item 12) was completed after [ ] The probable machine shop/workshop (item 17) appears to be still under construction; footings for this building were evident in [ ] the roof area of 3 bays appears to be complete, with construction continuing on the 2 remaining bays.

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The single concrete runway of Tbilisi/Soganlug Airfield has been extended to the northwest and now measures 8,090 by 260 feet. Construction of this extension was in progress in [ ] and appeared to be complete by [ ] The combination road/taxiway from the airframe plant, which was interrupted by the construction of the runway extension, is now connected to the airfield by a prepared natural-surface area (Figure 4). From the plant area to the airfield the road/taxiway measures [ ] feet with an average width of [ ] and within the airfield are approximately 777,000 square feet of concrete taxiways and parking aprons. Aircraft observed on [ ] included 1 CAB, 1 CRATE, 5 FISHBED/MONGOL, and 1 FAGOT/FRESCO.

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REFERENCES

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MAPS OR CHARTS

ACIC series, scale 1:200,000

DOCUMENT

1. CIA. RR RA-38, *Estimated Floorspace of Tbilisi Airframe Plant No 31*, Aug 58 (SECRET)

REQUIREMENT

CIA. C-RR6-83,650

PROJECT

31260/66 (partial answer)

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